

# J. Carter Watson

www.cartwatson.com | github.com/cartwatson | linkedin.com/in/cartwatson

## EDUCATION

**Utah State University**, Logan UT

**Dec 2023**

B.S. Computer Science

## EXPERIENCE

**Space Dynamics Lab**, Logan UT

*Mixed Reality Software Engineering Assistant*

**Jul 2022 - Present**

- Awarded Student Scholar for exceeding expectations
- Created web and mixed reality applications for Internal R&D program
- Implemented seamless user authentication systems across platforms
- Refactored and updated regression testing leading to 10% better coverage

*Software Engineering Assistant*

**Jan 2021 - Feb 2022**

- Automated regression testing, saving 4-6 hours per release cycle
- Facilitated leading Factory Acceptance Testing for government contracts
- Enhanced virtual system security through dynamic configuration

**Petersen Inc**, Ogden UT - *Project Management Intern*

**May 2020 - Aug 2020**

- Restructured inventory systems, reducing missing parts by 40%
- Optimized inventory management processes

## PROJECTS

**Choose Your Own Adventure**, Hack USU 2023

**Mar 2023**

- Received Beginner Award in the AI & ML category,
- Implemented GPT-3.5 Turbo API for unique character-driven adventures

**Dan's Auto Barn**, CS 3450 - *Scrum Master*

**Jan 2023 - May 2023**

- Led a 4-person agile-scrum team over four months to create a dynamic car rental site
- Live demo available at [www.dansautobarn.com](http://www.dansautobarn.com)

**VR Heart Sync**, CS 5890

**Mar 2023 - May 2023**

- Created a VR application enhancing immersion with heart rate data from peripheral device
- Pioneered a new dynamic selection technique integrating user fatigue levels

## ORGANIZATIONS

**InterFraternal Council**, USU - *President*

**Nov 2021 - Present**

- Tripled recruitment by reorganizing and standardizing inter-chapter recruitment

**IEEE**, USU - *Community Representative*

**Aug 2021 - Aug 2022**

- Lead Arduino workshop for 30 technical and non-technical students

**Engineering Council**, USU - *Student Advocate*

**Aug 2020 - Aug 2022**

- Implemented methods to better hear students concerns for the College of Engineering

**Order of Omega**, USU - *Member*

**Jan 2022 - Present**

- GPA in the top 10% of Fraternity and Sorority Life at Utah State University

## SKILLS

C# | Java | Python | VR | MR | AR | Atlassian Suite | .NET | Bash | Unix | Git | C++ | Documentation

Visual Studio | VS Code | Javascript | Software Testing | Program Management | Docker | HTML | CSS

Interests: Cycling, Mountain Biking, Traveling, Piano, Cooking